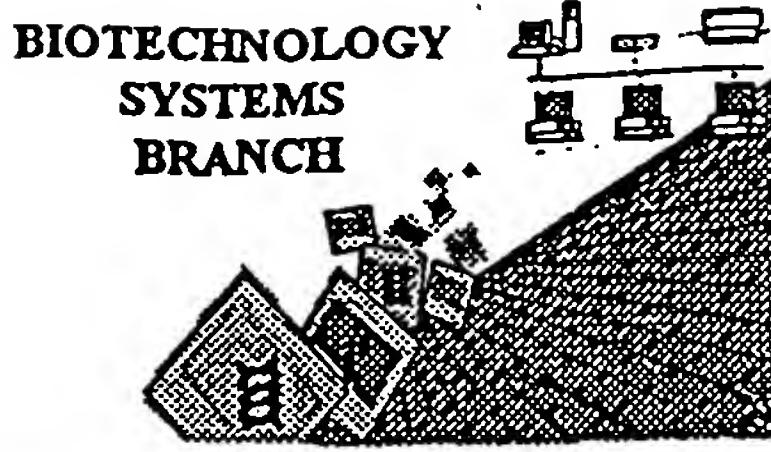


5040



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/517,324  
Source: PCT  
Date Processed by STIC: 12-28-04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

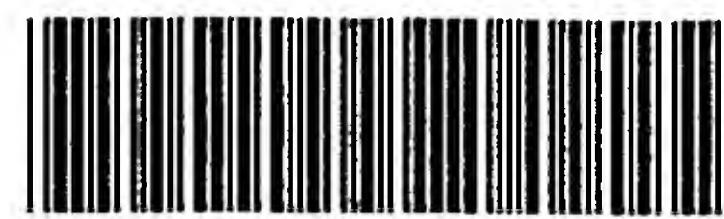
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		10/5171324
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each S <sup>a</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>.<223> section that some may be missing	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>.<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>.<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>.<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading) (ii) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped  Please also adjust the "(ii) NUMBER OF SEQUENCES" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing Per 1.823 of Sequence Rules, use of <220>.<223> is MANDATORY if n's or Xaa's are present In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence, or scientific name (Genus/species). <220>.<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input checked="" type="checkbox"/> Use of <220>	Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid	



PCT

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/517,324

DATE: 12/28/2004  
TIME: 11:50:05

Input Set : A:\040679.txt  
Output Set: N:\CRF4\12282004\J517324.raw

3 <110> APPLICANT: SinoGenoMax Company Ltd  
5 <120> TITLE OF INVENTION: Randomised DNA libraries and double-stranded RNA libraries,  
use and

6 method of production thereof

8 <130> FILE REFERENCE: P06031PC00

C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/517,324

C--> 11 <141> CURRENT FILING DATE: 2004-12-20

13 <150> PRIOR APPLICATION NUMBER: US 60/390,108

14 <151> PRIOR FILING DATE: 2002-06-21

16 <160> NUMBER OF SEQ ID NOS: 45

18 <170> SOFTWARE: PatentIn version 3.1

20 <210> SEQ ID NO: 1

21 <211> LENGTH: 29

22 <212> TYPE: DNA

23 <213> ORGANISM: Artificial Sequence

25 <220> FEATURE:

26 <223> OTHER INFORMATION: 5'rimer

28 <400> SEQUENCE: 1

29 ggaattcggaa cgctgacggtc atcaaccccg

32 <210> SEQ ID NO: 2

33 <211> LENGTH: 35

34 <212> TYPE: DNA

35 <213> ORGANISM: Artificial Sequence

37 <220> FEATURE:

38 <223> OTHER INFORMATION: 3'rimer

40 <400> SEQUENCE: 2

41 gaagatctgt ctcatacaga acttataaga ttccc

44 <210> SEQ ID NO: 3

45 <211> LENGTH: 500

46 <212> TYPE: DNA

47 <213> ORGANISM: Artificial Sequence

49 <220> FEATURE:

50 <223> OTHER INFORMATION: Modified sequence

52 <220> FEATURE:

53 <221> NAME/KEY: misc\_feature

54 <222> LOCATION: (7)..(7)

55 <223> OTHER INFORMATION: Represents nucleotides not clearly identified in the sequencing r

56 esult.

59 <220> FEATURE:

60 <221> NAME/KEY: misc\_feature

61 <222> LOCATION: (9)..(9)

62 <223> OTHER INFORMATION: Represents nucleotides not clearly identified in the sequencing r

Does Not Comply  
Corrected Diskette Needed  
(pg 1-4)  
Pls explain source of genetic material.  
Invalid response

29  
Pls explain source of genetic material.

Invalid response

35  
Pls explain source of genetic material.

Invalid response

See item

#11

On error

Summary

"N" CAN only represent a single nucleotide.  
Invalid response Sheet.

63

66

esult.

<400> SEQUENCE: 3

PART OF  
See error explanation on pg. 1.

**RAW SEQUENCE LISTING** DATE: 12/28/2004  
**PATENT APPLICATION:** US/10/517,324 **TIME:** 11:50:05

Input Set : A:\040679.txt  
Output Set: N:\CRF4\12282004\J517324.raw

W--> 67 tccagg~~nanc~~ gcgggcccag tgtcactagg cgggaacacc cagcgccgt gcccctggc 60  
69 aggaagatgg ctgtgaggga caggggagtg gcgcctgca atatttgcatt gtcgctatgt 120  
71 gttctggaa atcaccataa acgtgaaatg tctttggatt tggaatctt ataagttctg 180  
73 tatgagacag atcttcaata ttggccatta gccatattat tcattggta tatagcataa 240  
75 atcaatattg gctattggcc attgcatacg ttgtatctat atcataatat gtacatttat 300  
77 attggctcat gtccaatatg accgccatgt tggcattgtatttactag ttattaatag 360  
79 taatcaatta cggggtcatt agttcatagc ccattatggg agttccgcgt tacataactt 420  
81 acggtaaatg gcccgcctgg ctgaccgccc aacgaccccc gcccattgac gtcaataatg 480  
83 acgtatgttc ccatagtaac 500  
86 <210> SEQ ID NO: 4  
87 <211> LENGTH: 38  
88 <212> TYPE: DNA  
89 <213> ORGANISM: Artificial Sequence  
91 <220> FEATURE:  
92 <223> OTHER INFORMATION: 5?rimer Same error  
94 <400> SEQUENCE: 4  
95 acgcgtcgac gaattcgaac gctgacgtca tcaacccg 38  
98 <210> SEQ ID NO: 5  
99 <211> LENGTH: 36  
100 <212> TYPE: DNA  
101 <213> ORGANISM: Artificial Sequence  
103 <220> FEATURE:  
104 <223> OTHER INFORMATION: 3?rimer Same error  
106 <400> SEQUENCE: 5  
107 cccaagcttg tctcatacag aacttataag attccc 36  
110 <210> SEQ ID NO: 6  
111 <211> LENGTH: 50  
112 <212> TYPE: DNA  
113 <213> ORGANISM: Artificial Sequence  
115 <220> FEATURE:  
116 <223> OTHER INFORMATION: oligo DNA  
118 <400> SEQUENCE: 6  
119 ggggaagatc taaaaaaaata aatgaatcaa gaacatttt aagcttgggg 50  
122 <210> SEQ ID NO: 7  
123 <211> LENGTH: 50  
124 <212> TYPE: DNA  
125 <213> ORGANISM: Artificial Sequence  
127 <220> FEATURE:  
128 <223> OTHER INFORMATION: oligo DNA  
130 <400> SEQUENCE: 7  
131 ccccaagctt aaaaatgttc ttgattcatt tatttttttta gatcttcccc 50  
134 <210> SEQ ID NO: 8  
135 <211> LENGTH: 50  
136 <212> TYPE: DNA  
137 <213> ORGANISM: Artificial Sequence What is the source  
139 <220> FEATURE:  
140 <223> OTHER INFORMATION: 19 nucleotides randomized region  
142 <220> FEATURE:  
143 <221> NAME/KEY: misc feature Invalid

- What is the source of genetic material?
  - randomized region

↑ See item # 11 on  
error summary sheet.  
12/28/04

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/517,324

DATE: 12/28/2004  
TIME: 11:50:05

Input Set : A:\040679.txt  
Output Set: N:\CRF4\12282004\J517324.raw

144 <222> LOCATION: (17) .. (35)  
145 <223> OTHER INFORMATION: Randomized region.  
148 <400> SEQUENCE: 8

W--> 149 ggggaagatc taaaaannnn nnnnnnnnnn nnnnnntttt aagcttgggg

50

FYI:

152 <210> SEQ ID NO: 9

153 <211> LENGTH: 51

154 <212> TYPE: DNA

155 <213> ORGANISM: Artificial Sequence

157 <220> FEATURE: PTS explain source of genetic material,

158 <223> OTHER INFORMATION: 20 nucleotides randomized region

160 <220> FEATURE:

161 <221> NAME/KEY: misc\_feature

162 <222> LOCATION: (17) .. (36)

163 <223> OTHER INFORMATION: Randomized region.

166 <400> SEQUENCE: 9

Invalid response

pls explain "N" locations,

"N" CAN

Invalid response

Only represent  
a single  
nucleotide.

Same error

W--> 167 ggggaagatc taaaaannnn nnnnnnnnnn nnnnnntttt taagcttggg g

51

170 <210> SEQ ID NO: 10

171 <211> LENGTH: 52

172 <212> TYPE: DNA

173 <213> ORGANISM: Artificial Sequence

175 <220> FEATURE:

176 <223> OTHER INFORMATION: 21 nucleotides randomized region

178 <220> FEATURE:

179 <221> NAME/KEY: misc\_feature

180 <222> LOCATION: (17) .. (37)

181 <223> OTHER INFORMATION: Randomized region.

184 <400> SEQUENCE: 10

Same errors

W--> 185 ggggaagatc taaaaannnn nnnnnnnnnn nnnnnnnnntt ttaagcttgg gg

52

188 <210> SEQ ID NO: 11

189 <211> LENGTH: 15

190 <212> TYPE: DNA

191 <213> ORGANISM: Artificial Sequence

193 <220> FEATURE:

194 <223> OTHER INFORMATION: primer

196 <400> SEQUENCE: 11

15

197 ccccaagctt aaaaa

200 <210> SEQ ID NO: 12

201 <211> LENGTH: 19

202 <212> TYPE: DNA

203 <213> ORGANISM: Artificial Sequence

205 <220> FEATURE:

206 <223> OTHER INFORMATION: 19 base pair clone

208 <400> SEQUENCE: 12

19

209 aaagggttta cgtgggttgg

212 <210> SEQ ID NO: 13

213 <211> LENGTH: 19

214 <212> TYPE: DNA

215 <213> ORGANISM: Artificial Sequence

217 <220> FEATURE:

RAW SEQUENCE LISTING DATE: 12/28/2004  
PATENT APPLICATION: US/10/517,324 TIME: 11:50:05

Input Set : A:\040679.txt  
Output Set: N:\CRF4\12282004\J517324.raw

218 <223> OTHER INFORMATION: 19 base pair clone  
220 <400> SEQUENCE: 13  
221 aatcgcttta tttgcattgc 19  
224 <210> SEQ ID NO: 14  
225 <211> LENGTH: 19  
226 <212> TYPE: DNA  
227 <213> ORGANISM: Artificial Sequence  
229 <220> FEATURE:  
230 <223> OTHER INFORMATION: 19 base pair clone  
232 <400> SEQUENCE: 14  
233 aattgacatg tgagcttgg 19  
236 <210> SEQ ID NO: 15  
237 <211> LENGTH: 19  
238 <212> TYPE: DNA  
239 <213> ORGANISM: Artificial Sequence  
241 <220> FEATURE:  
242 <223> OTHER INFORMATION: 19 base pair clone  
244 <400> SEQUENCE: 15  
245 agtagcttgt tgagggttgg 19  
248 <210> SEQ ID NO: 16  
249 <211> LENGTH: 19  
250 <212> TYPE: DNA  
251 <213> ORGANISM: Artificial Sequence  
253 <220> FEATURE:  
254 <223> OTHER INFORMATION: 19 base pair clone  
256 <400> SEQUENCE: 16  
257 cagcatcaact gtatgtgtc 19  
260 <210> SEQ ID NO: 17  
261 <211> LENGTH: 19  
262 <212> TYPE: DNA  
263 <213> ORGANISM: Artificial Sequence  
265 <220> FEATURE:  
266 <223> OTHER INFORMATION: 19 base pair clone  
268 <400> SEQUENCE: 17  
269 ctatcttcgt ggagggttgg 19  
272 <210> SEQ ID NO: 18  
273 <211> LENGTH: 19  
274 <212> TYPE: DNA  
275 <213> ORGANISM: Artificial Sequence  
277 <220> FEATURE:  
278 <223> OTHER INFORMATION: 19 base pair clone  
280 <400> SEQUENCE: 18  
281 ctatgaagggt ggtgatgcg 19  
284 <210> SEQ ID NO: 19  
285 <211> LENGTH: 19  
286 <212> TYPE: DNA  
287 <213> ORGANISM: Artificial Sequence  
289 <220> FEATURE:  
290 <223> OTHER INFORMATION: 19 base pair clone

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/517,324

DATE: 12/28/2004  
TIME: 11:50:05

Input Set : A:\040679.txt  
Output Set: N:\CRF4\12282004\J517324.raw

```

292 <400> SEQUENCE: 19
293 cttaattgggt ggtttagg 19
296 <210> SEQ ID NO: 20
297 <211> LENGTH: 19
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: 19 base pair clone
304 <400> SEQUENCE: 20
305 tggctgtatg tgagtggct 19
308 <210> SEQ ID NO: 21
309 <211> LENGTH: 19
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: 19 base pair clone
316 <400> SEQUENCE: 21
317 ttaatctctg gtgtcctaa 19
320 <210> SEQ ID NO: 22
321 <211> LENGTH: 19
322 <212> TYPE: DNA
323 <213> ORGANISM: Artificial Sequence
325 <220> FEATURE:
326 <223> OTHER INFORMATION: 19 base pair clone
328 <400> SEQUENCE: 22
329 ttgttagggac ttggatgat 19
332 <210> SEQ ID NO: 23
333 <211> LENGTH: 15
334 <212> TYPE: DNA
335 <213> ORGANISM: Artificial Sequence
337 <220> FEATURE:
338 <223> OTHER INFORMATION: Primer
340 <400> SEQUENCE: 23
341 aaaaattcga acccc 15
344 <210> SEQ ID NO: 24
345 <211> LENGTH: 50
346 <212> TYPE: DNA
347 <213> ORGANISM: Artificial Sequence
349 <220> FEATURE:
350 <223> OTHER INFORMATION: complementaty to SEQ ID NO 8
352 <220> FEATURE:
353 <221> NAME/KEY: misc_feature
354 <222> LOCATION: (17)..(35)
355 <223> OTHER INFORMATION: Randomized region.
358 <400> SEQUENCE: 24
W--> 359 ccccttctag atttttnnnn nnnnnnnnnn nnnnnaaaaa ttcgaacccc 50
362 <210> SEQ ID NO: 25
363 <211> LENGTH: 35
364 <212> TYPE: DNA

```

SAME errors

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/517,324

DATE: 12/28/2004  
TIME: 11:50:06

Input Set : A:\040679.txt  
Output Set: N:\CRF4\12282004\J517324.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 7,9 ✓  
Seq#:8; N Pos. 17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35  
Seq#:9; N Pos. 17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36  
Seq#:10; N Pos. 17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36  
Seq#:10; N Pos. 37  
Seq#:24; N Pos. 17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35  
Seq#:25; N Pos. 11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29  
Seq#:26; N Pos. 7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25  
Seq#:34; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19  
Seq#:38; N Pos. 8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,36  
Seq#:38; N Pos. 37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54  
Seq#:39; N Pos. 4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,32,33,34  
Seq#:39; N Pos. 35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50  
Seq#:42; N Pos. 8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26  
Seq#:43; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19  
Seq#:44; N Pos. 4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22  
Seq#:45; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19

**VERIFICATION SUMMARY**  
PATENT APPLICATION: US/10/517,324

DATE: 12/28/2004  
TIME: 11:50:06

Input Set : A:\040679.txt  
Output Set: N:\CRF4\12282004\J517324.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
L:377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
L:395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
L:497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0  
L:557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0  
L:583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0  
L:627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0  
L:645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0  
L:663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0  
L:681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0